

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032349.D
 Acq On : 03 Oct 2025 13:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Oct 04 05:02:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	192872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	437616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	439544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	216945	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	176224	62.643	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	125.280%
35) Dibromofluoromethane	7.898	113	151387	53.417	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.840%
50) Toluene-d8	10.325	98	547834	52.375	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	104.740%
62) 4-Bromofluorobenzene	12.617	95	204566	51.743	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.480%

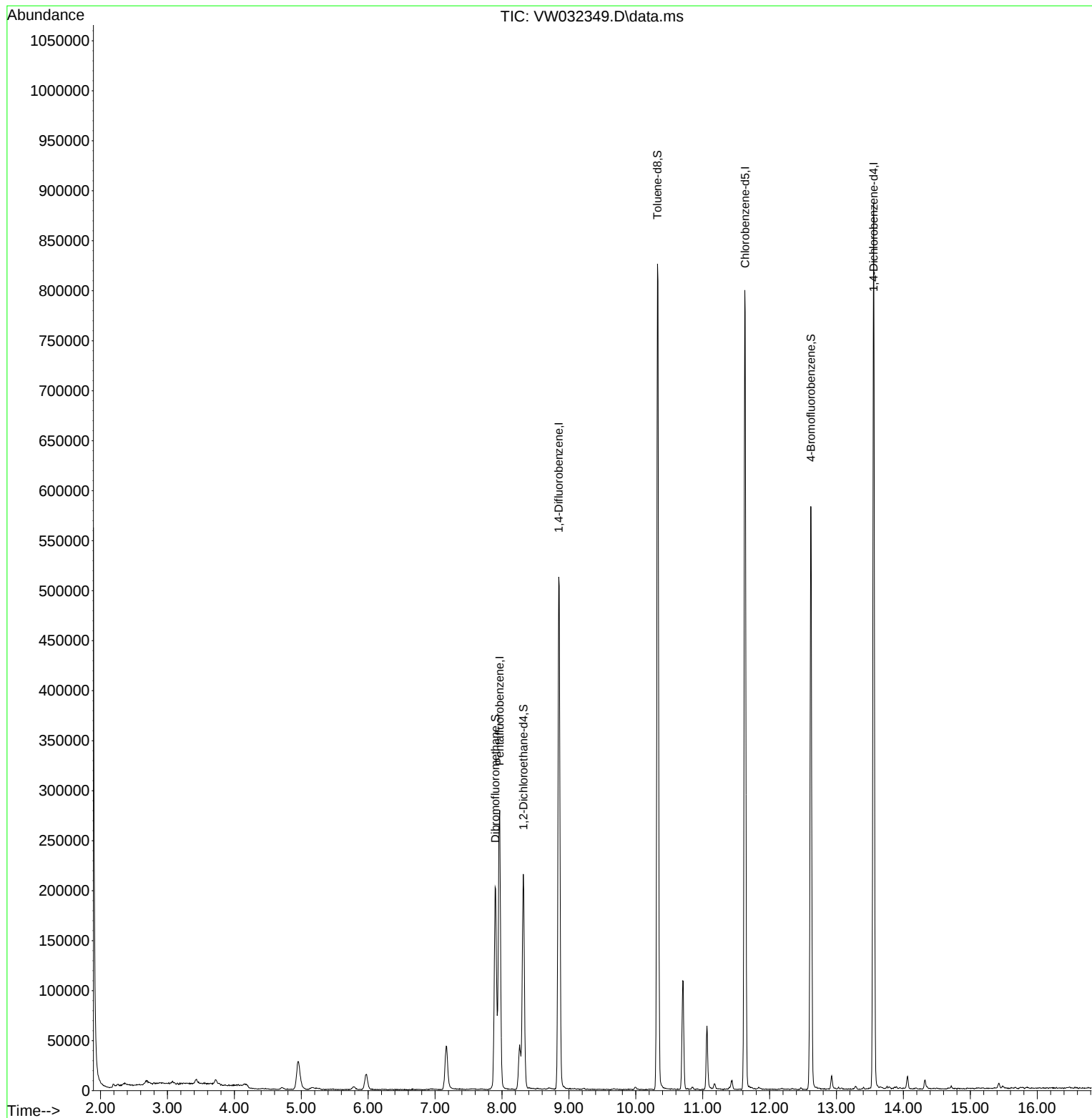
Target Compounds	Qvalue

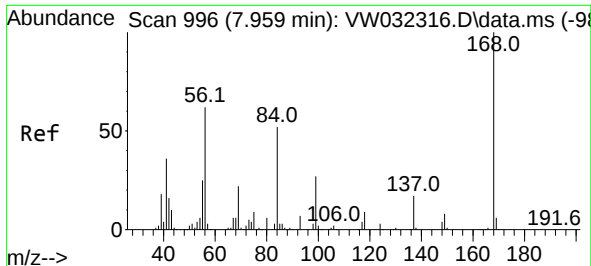
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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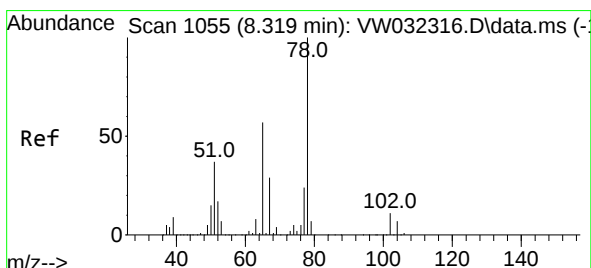
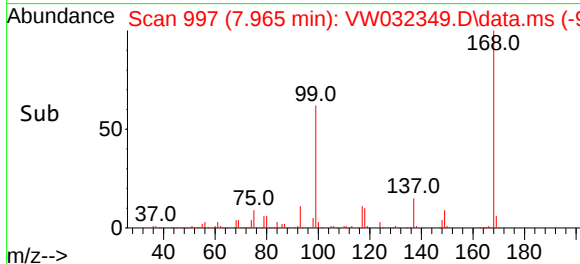
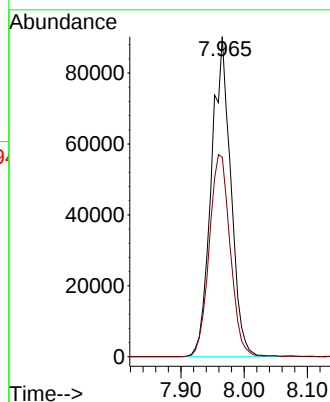
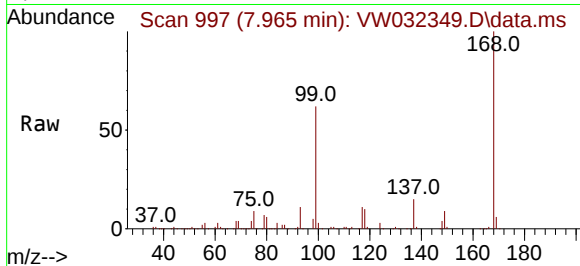




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

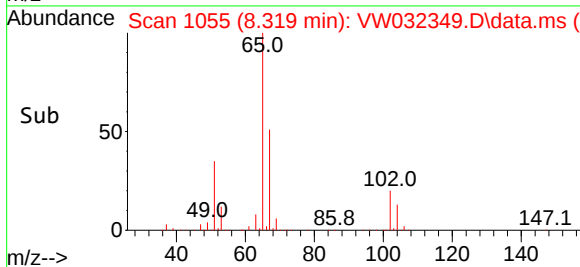
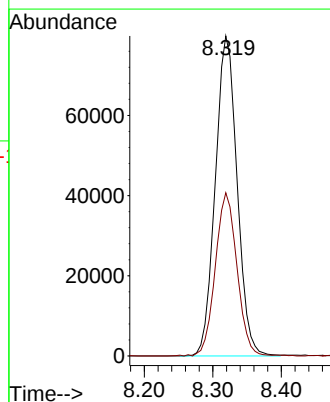
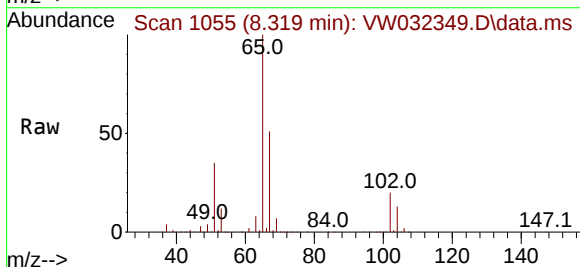
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

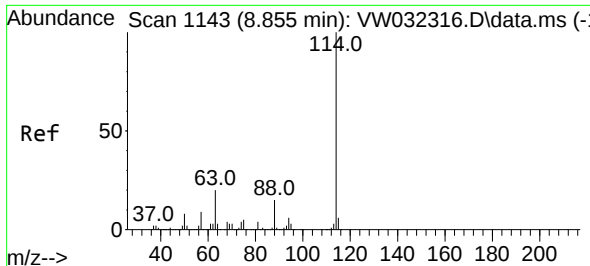
Tgt Ion:168 Resp: 192872
Ion Ratio Lower Upper
168 100
99 62.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 62.643 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion: 65 Resp: 176224
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.6

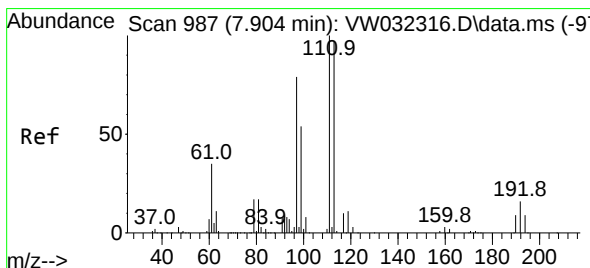
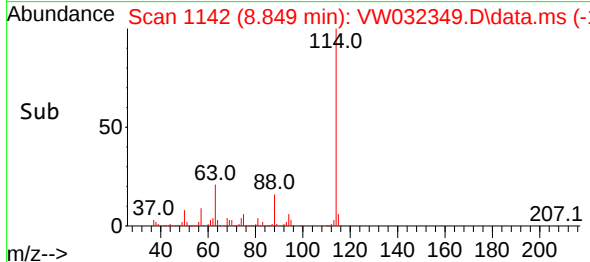
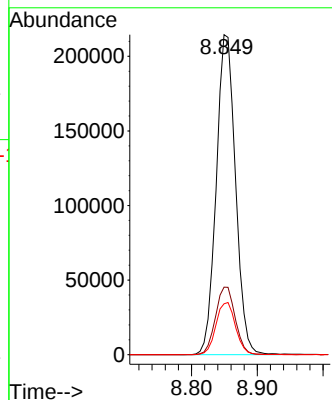
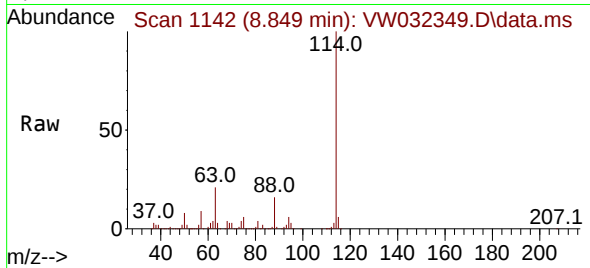




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032349.D
 Acq: 03 Oct 2025 13:22

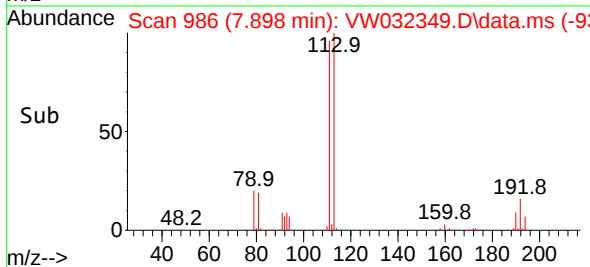
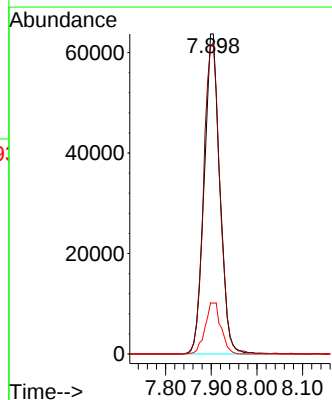
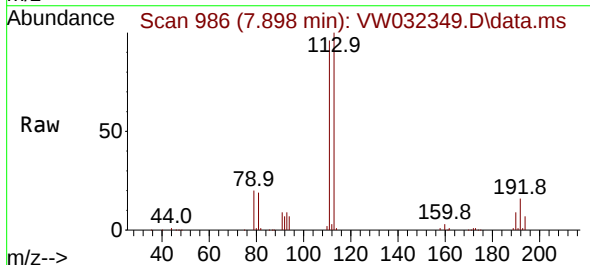
Instrument :
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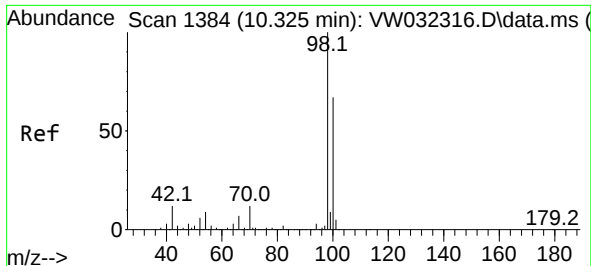
Tgt Ion:	114	Resp:	437616
Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.4
88	15.9	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 53.417 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032349.D
 Acq: 03 Oct 2025 13:22

Tgt Ion:	113	Resp:	151387
Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.9	125.9
192	16.1	14.6	21.8

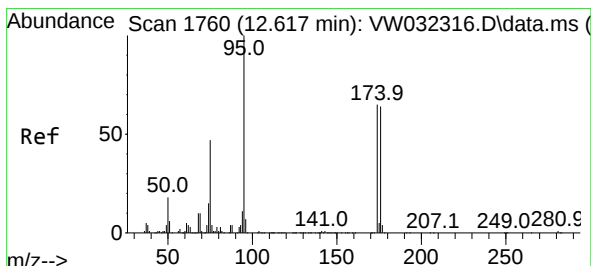
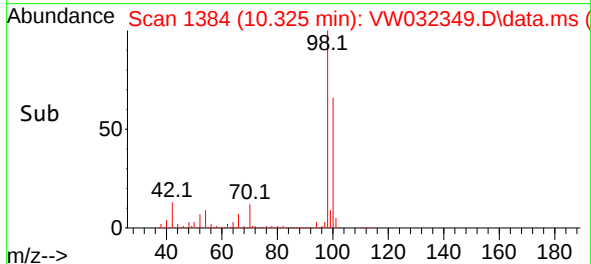
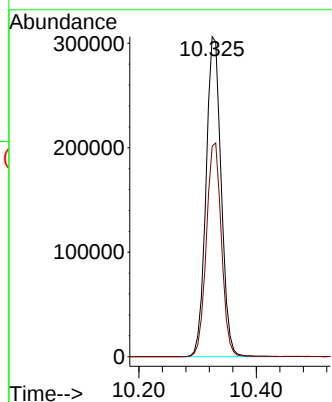
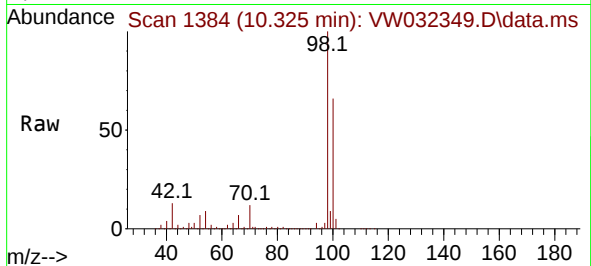




#50
Toluene-d8
Concen: 52.375 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

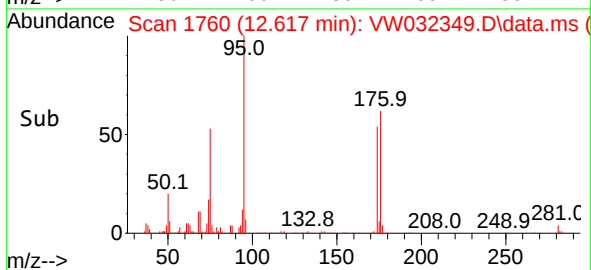
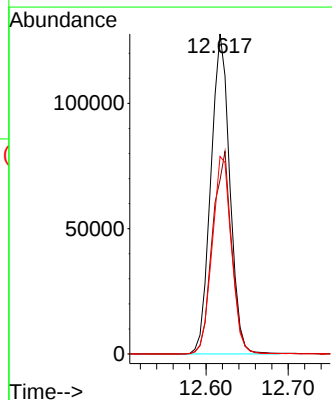
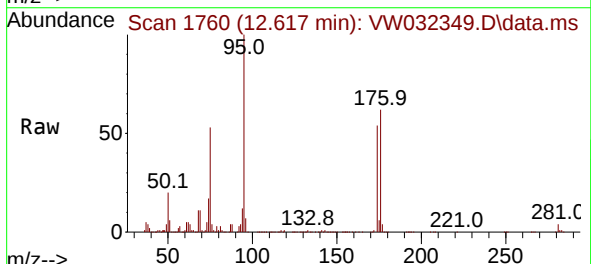
Instrument :
MSVOA_W
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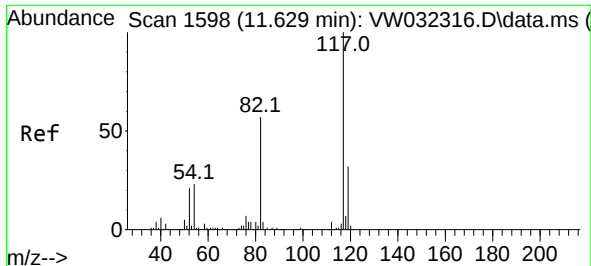
Tgt Ion: 98 Resp: 547834
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 51.743 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion: 95 Resp: 204566
Ion Ratio Lower Upper
95 100
174 64.2 0.0 145.6
176 63.1 0.0 140.8

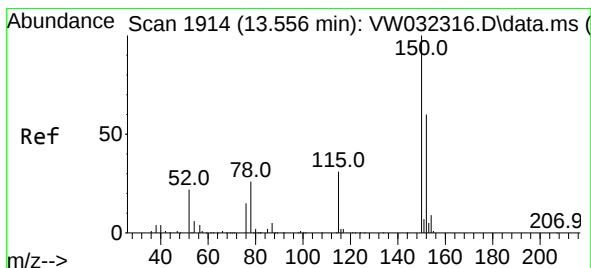
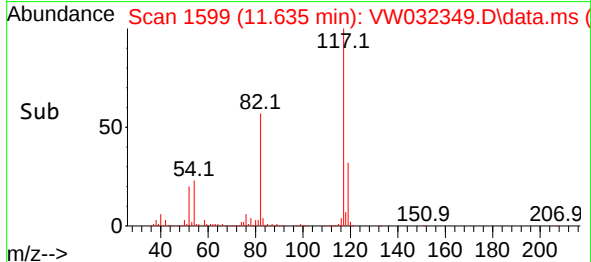
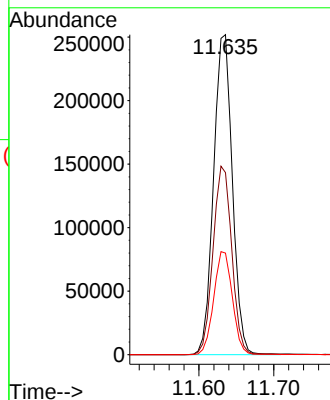
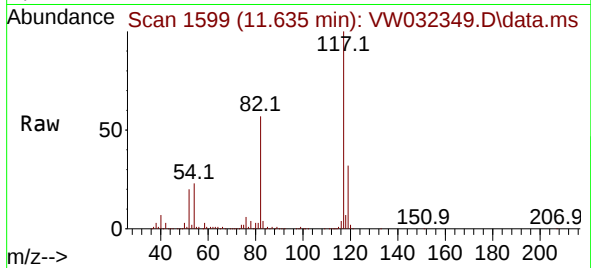




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11599
Delta R.T. 0.006 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 439544
Ion Ratio Lower Upper
117 100
82 56.9 42.7 64.1
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032349.D
Acq: 03 Oct 2025 13:22

Tgt Ion:152 Resp: 216945
Ion Ratio Lower Upper
152 100
115 64.5 31.8 95.4
150 157.6 0.0 343.0

